

=> d his

(FILE 'HOME' ENTERED AT 14:35:15 ON 11 MAR 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCEPLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPE, CROFU, DDFB, DDFU, DGENE, DRUGE, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 14:35:28 ON 11 MAR 2003

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCEPLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPE, CROFU, DDFB, DDFU, DGENE, DRUGE, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 14:37:33 ON 11 MAR 2003

SEA FIBRINOGEN(P) (GLYCINE) (P) (SUCROSE)

0* FILE ADISNEWS
0* FILE BIOCOMMERCE
1 FILE BIOSIS
2* FILE BIOTECHABS
2* FILE BIOTECHDS
0* FILE BIOTECHNO
8 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CIN
1 FILE DRUGU
1 FILE EMBASE
0* FILE ESBIODASE
0* FILE FEDPIP
0* FILE FOMAD
0* FILE FOPEGE
0* FILE FFOSTI
0* FILE FSTA
7 FILE IFIPAT
0* FILE KOSMET
0* FILE MEDICNF
2 FILE MEDLINE
0* FILE NTIS
0* FILE NUTFACEUT
1* FILE PASCAL
0* FILE PHARMAML
1 FILE SCISEARCH
16 FILE USPATFULL
7 FILE WPIDS
7 FILE WPINDEX

L1 QUE FIBRINOGEN(P) (GLYCINE) (P) (SUCROSE)

FILE 'WPIDS, CAPLUS, MEDLINE, EMBASE' ENTERED AT 14:40:50 ON 11 MAR 2003

L2 19 S L1

L3 14 DUP REM L2 (4 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 14:46:59 ON 11 MAR 2003

L4 450 S FIBRINOGEN(P) GLYCINE

L5 134 S L4 AND SUCROSE

L6 77 S L5 AND DIAL?

FILE 'STNGUIDE' ENTERED AT 14:50:59 ON 11 MAR 2003

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,

CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DPUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 14:54:36 ON
11 MAR 2003

SEA FIBRINOGEN(P)POLYMERIZ?

0* FILE ADISNEWS
3 FILE AGRICOLA
3 FILE ANABSTR
1 FILE AQUASCI
9 FILE BIOBUSINESS
0* FILE BIOCOMMEFCE
722 FILE BIOSIS
12* FILE BIOTECHAES
12* FILE BIOTECHDS
282* FILE BIOTECHNC
11 FILE CABA
34 FILE CANCEPLIT
349 FILE CAPLUS
5* FILE CEABA-VTE
2* FILE CIN
4 FILE CONFSCI
31 FILE DDFB

SEA FIBRINOGEN(P)POLYMERIZATION

0* FILE ADISNEWS
2 FILE AGRICOLA
3 FILE ANABSTR
1 FILE AQUASCI
7 FILE BIOBUSINESS
0* FILE BIOCOMMERCE
633 FILE BIOSIS
7* FILE BIOTECHAES
7* FILE BIOTECHDS
256* FILE BIOTECHNO
7 FILE CABA
23 FILE CANCERLIT
263 FILE CAPLUS
4* FILE CEABA-VTB
0* FILE CIN
4 FILE CONFSCI
27 FILE DDFB
29 FILE DDFU
27 FILE DPUGB
51 FILE DPUGU
547 FILE EMBASE
107* FILE ESBIODASE
11* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FPOSTI
2* FILE FSTA
41 FILE IFIPAT
26 FILE JIGST-EPLUS
0* FILE KOSMET
70 FILE LIFESCI
0* FILE MEDICONS
564 FILE MEDLINE
5 FILE NIOSHTIC
15* FILE NTIS
0* FILE NUTFACEUT
194* FILE PASCAL
0* FILE PHAFMAML

2 FILE PROMT
 387 FILE SCISEARCH
 112 FILE TOXCENTER
 347 FILE USPATFULL
 4 FILE USPAT2
 4 FILE VETU
 20 FILE WPIDS
 20 FILE WPINDEX
 L7 QUE FIBRINOGEN(P) POLYMERIZATION

FILE 'WPIDS' ENTERED AT 14:55:23 ON 11 MAR 2003

L8 20 S L7
 L9 49 S CRYOPRECIPITATE(P) FIBRINOGEN
 L10 3 S CRYOPRECIPITATE(P) FIBRINOGEN(P) (MULT?)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
 BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
 CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
 DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 14:59:27 ON
 11 MAR 2003

SEA CRYOPRECIPITATE(P) FIBRINOGEN(P) (MULT?)

 0* FILE ADISNEWS
 0* FILE BIOCOMMERCE
 13 FILE BIOSIS
 1* FILE BIOTECHABS
 1* FILE BIOTECHDS
 5* FILE BIOTECHNO
 2 FILE CANCERLIT
 0* FILE CEABA-VTB
 0* FILE CIN
 2 FILE DDFU
 10 FILE DRUGU
 17 FILE EMBASE
 3* FILE ESEIOBASE
 1* FILE FEDPIP
 0* FILE FOMAD
 0* FILE FOREGE
 0* FILE FROSTI
 0* FILE FSTA
 2 FILE IFIPAT
 2 FILE JICST-EPLUS
 0* FILE KOSMET
 0* FILE MEDICNF
 16 FILE MEDLINE
 0* FILE NTIS
 0* FILE NUTRACEUT
 5* FILE PASCAL
 0* FILE PHARMAML
 2 FILE PROMT
 6 FILE SCISEARCH
 1 FILE TOXCENTER
 13 FILE USPATFULL
 3 FILE WPIDS
 3 FILE WPINDEX

L11 QUE CRYOPRECIPITATE(P) FIBRINOGEN(P) (MULT?)

SEA CRYOPRECIPITATE(P) FIBRINOGEN(P) (POLYMERIZATION)

 0* FILE ADISNEWS
 0* FILE BIOCOMMERCE

3 FILE BIOSIS
 0* FILE BIOTECHABS
 0* FILE BIOTECHDS
 1* FILE BIOTECHNO
 0* FILE CEABA-VTB
 0* FILE CIN
 2 FILE EMBASE
 0* FILE ESBIOBASE
 0* FILE FEDRIE
 0* FILE FOMAD
 0* FILE FOFEGE
 0* FILE FFOSTI
 1* FILE FSTA
 0* FILE KOSMET
 0* FILE MEDICINF
 2 FILE MEDLINE
 0* FILE NTIS
 0* FILE NUTRACEUT
 0* FILE PASCAL
 0* FILE PHARMAML
 1 FILE SCISEARCH
 2 FILE USPATFULL
 L12 QUE CRYOPRECIPITATE(P) FIBRINOGEN(P) (POLYMERIZATION)

FILE 'EMBASE, MEDLINE, BIOSIS, SCISEARCH, USPATFULL' ENTERED AT 15:03:57
 ON 11 MAR 2003

L13 10 S L12
 L14 5 DUP REM L13 (5 DUPLICATES REMOVED)

FILE 'MEDLINE, CAPLUS' ENTERED AT 15:09:23 ON 11 MAR 2003

L15 197 S TISSUCOL
 L16 1 S L15 AND BIOCOL
 L17 0 S TISSUCOL(P) (FIBRINOGEN) (P) (POLYMER?)
 L18 2 S TISSEEL(P) (FIBRINOGEN) (P) (POLYMER?)
 L19 0 S BIOCOL(P) (FIBRINOGEN) (P) (POLYMER?)
 L20 5 S BIOCOL(P) (FIBRINOGEN)
 L21 392 S TISSUCOL OF TISSEEL OR BIOCOL OF BERICPLAST
 L22 61 S L21(P) (FIBRINOGEN)
 L23 56 DUP REM L22 (5 DUPLICATES REMOVED)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
 BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
 CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
 DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:59:29 ON
 11 MAR 2003

FILE 'USPATFULL' ENTERED AT 15:59:37 ON 11 MAR 2003

L24 284 S FIBRINOGEN(P) (CRYOPRECIPITATE?)
 L25 53 S L24/AB, TI, CLM
 L26 284 S FIBRINOGEN(P) (CRYOPRECIPITATE?)
 L27 123 S L26 AND GLYCINE
 L28 30 S L27 AND SUCROSE
 L29 13 S L28 AND DIAL?

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
 BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
 CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
 DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:03:37 ON
 11 MAR 2003
 SEA L28 AND DIAL?

0* FILE ADISNEWS
 0* FILE BIOCOMMERCE
 1 FILE BIOSIS
 1* FILE BIOTECHABS
 1* FILE BIOTECHDS
 0* FILE BIOTECHNO
 1 FILE CAPLUS
 0* FILE CEABA-VTB
 0* FILE CIN
 1 FILE EMBASE
 0* FILE ESEIOBASE
 0* FILE FEDRIP
 0* FILE FOMAD
 0* FILE FOREGE
 0* FILE FROSTI
 0* FILE FSTA
 0* FILE KCSMET
 0* FILE MEDICONF
 1 FILE MEDLINE
 0* FILE NTIS
 0* FILE NUTFACEUT
 1* FILE PASCAL
 0* FILE PHAFMAML
 1 FILE SCISEARCH
 13 FILE USPATFULL
 1 FILE WPIDS
 1 FILE WPINDEX
 QUE L28 AND DIAL?

L30

FILE 'EMBASE, WPIDS, MEDLINE, CAPLUS, BIOSIS' ENTERED AT 16:04:47 ON 11
 MAR 2003

L31
 L32

5 S L30
 3 DUP REM L31 (2 DUPLICATES REMOVED)

AN 1986:161985 CAPLUS

DN 194:161985

TI Inhibiting and inducing human platelet aggregation

IN Hawiger, Jack J.; Timmons, Sheila; Lukas, Thomas J.; Kloczewiak, Marek

PA New England Deaconess Hospital, USA

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8504584	A1	19851024	WO 1985-US589	19850408
	W: AU, JP				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	US 4861471	A	19870428	US 1984-599477	19840410
	AU 8541596	A1	19851101	AU 1985-41595	19850408
	EP 180595	A1	19860514	EP 1985-901891	19850408
	EP 180595	B1	19920909		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AT 80305	E	19920915	AT 1985-901891	19850408
PRAI	US 1984-599477		19840410		
	EP 1985-901891		19850408		
	WO 1985-US589		19850408		

AB A method is developed which consists of the administration of small-mol.-wt. peptides (e.g., the dodecapeptide His-His-Leu-Gly-Gly-Ala-Lys-Gln-Ala-Gly-Asp-Val) or synthetic inhibitory mols. for inhibiting thrombin- or ADP-induced human platelet aggregation by fibrinogen which causes thrombosis in heart diseases and stroke. For example, a soln. of this dodecapeptide was mixed with a platelet suspension treated with ADP. A soln. of .gamma.-chain **fibrinogen multimers** was added and the transmission of the reaction mixt. was measured. The dodecapeptide caused inhibition of platelet aggregation. A synthetic mol. comprising a no. of peptides (e.g., Cys-Tyr-Gly-Gln-Gln-His-His-Leu-Gly-Gly-Ala-Lys-Gln-Ala-Gly-Asp-Val) grafted to a polymeric backbone (e.g., albumin) capable of replacing fibrinogen for ADP-induced platelet aggregation is also described.

L10 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 1996:419748 CAPLUS

DN 125:110935

TI High-level expression of recombinant human fibrinogen in the milk of transgenic mice

AU Prunkard, Donna; Cottingham, Ian; Garner, Ian; Bruce, Susan; Dairympole, Michael; Lasser, Gerry; Bishop, Paul; Foster, Donald

CS ZymoGenetics, Inc., Seattle, WA, 98102, USA

SO Nature Biotechnology (1996), 14(7), 867-871

CODEN: NABIF9; ISSN: 1087-0156

PB Nature Publishing Co.

DT Journal

LA English

AB **Fibrinogen** is a complex plasma protein composed of two each of three different polypeptide chains. We have targeted expression of r-human **fibrinogen** to the mammary gland of transgenic mice. Three expression cassettes, each contg. the genomic sequence for one of the three human **fibrinogen** chains controlled by sheep whey protein .beta.-lactoglobulin promoter sequences, were coinjected into fertile mouse eggs. Southern blot anal. demonstrated that more than 80% of the transgenic founders contain all three **fibrinogen** genes. Reducing sodium dodecyl sulfate polyacrylamide gel electrophoresis of milk from the highest producing founder animal demonstrated the presence of human **fibrinogen** subunits at concns. of 2000 .mu.g/mL. In several animals with a balanced ratio of the individual **fibrinogen** subunits, up to 100% of the protein was incorporated into fully assembled **fibrinogen hexamers**. Incubation of the transgenic milk with thrombin and factor XIII resulted in a cross-linked fibrin clot, indicating that a major portion of the secreted **fibrinogen** was functional. These studies represent the first report of high-level biosynthesis and secretion of a functional, complex, **hexameric** protein in the milk of a transgenic animal.

L10 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 1994:478921 CAPLUS

DN 121:78921

TI Fibrinogen assembly: Insights from chicken hepatocytes

AU Oddoux, Carole; Grieninger, Gerd

CS Lindsley F. Kimball Res. Inst. New York Blood Cent., New York, NY, 10021, USA

SO Hepatology (Philadelphia, PA, United States) (1994), 19(3), 688-93

CODEN: HPTLD9; ISSN: 0270-9139

DT Journal

LA English

AB In all vertebrate species studied, the complex, disulfide-linked structure of **fibrinogen** is essentially the same: a **hexamer** assembled from 3 different subunits (A.alpha., B.beta., .gamma.)². This study utilized species differences in **fibrinogen** subunit monomer pools to address the question of how these surplus subunit pools may affect the assembly process. The authors used a chicken model system in which B.beta. and .gamma.-subunits are present in excess, in contrast to the A.alpha. and .gamma.-subunit surplus found in human model systems. Anal. was based on pulse-chase expts. with electrophoretic sepn. of intracellular forms and secreted **fibrinogen** on reducing and nonreducing gels. The chicken liver-derived cells employed for this purpose, primary hepatocytes and a hepatoma cell line with a fortuitous defect in **fibrinogen** synthesis, together offer advantages over human systems for resolving the complexes formed in the early stages of assembly. The results demonstrate that in chicken hepatocytes there is an initial binding of .gamma. to A.alpha. subunits rather than to B.beta. subunits, as occurs in human hepatoma cells. Nevertheless, the presence of similar intracellular **fibrinogen**-related forms in both chicken-and human-derived cells, in the context of their differing subunit monomer pools, suggests an assembly pathway common to both species, with the versatility to be regulated by limitation of A.alpha. or B.beta. subunit prodn.

L10 ANSWER 2 OF 3 MEDLINE
 AN 94080193 MEDLINE
 DN 94080193 PubMed ID: 8257936
 TI Recovery of fibrinogen in cryoprecipitate pasteurized in the presence of sucrose and glycine.
 AU Feis F M; de-Koning B; Das P C; Smit-Sibinga C T
 CS Fed Cross Blood Bank Groningen-Drenthe, Groningen, The Netherlands.
 SO BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH, (1993 May) 26 (5) 473-6.
 Journal code: A112917. ISSN: 0100 879X.
 CY Brazil
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199401
 ED Entered STN: 19940203
 Last Updated on STN: 19940203
 Entered Medline: 19940119
 AB The effect of **sucrose** (50% w/w) and 1 M **glycine** as thermal stabilizers for **fibrinogen** in **cryoprecipitate** was studied. **Sucrose** (9.2 g) and **glycine** (0.9 g) were dissolved in 5 g of **cryoprecipitate** and the solution was pasteurized at 60 degrees C for 10 h. The preparation was then **dialyzed** for 20 h in phosphate buffered saline (PBS), lyophilized, stored for one week at -40 degrees C and resuspended in distilled water. The recovery of total proteins and **fibrinogen** in the final product averaged 66.4 +/- 4.1% and 43.8 +/- 6.4% of the initial contents, respectively (mean +/- SEM, N = 9). The pasteurization of **cryoprecipitate** in the presence of PBS (control experiments) produced extensive precipitation, which is characteristic of protein denaturation. Thus, this method partially protected **fibrinogen** and other proteins in **cryoprecipitate** from inactivation by prolonged exposure to heat during pasteurization.